

MATERIAL SAFETY DATA SHEET

Product Name: Collodion Solution
Catalog Number: 10825
DOT Hazard Class: 3 (Flammable Liquid)
DOT Proper Shipping Name: Amyl Acetates
UN/NA ID No.: UN 1104
MSDS Updated: 8/09

Distributed By: Ladd Research
83 Holly Court
Williston, VT 05495
(802) 658-4961

HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Amyl Acetate	628-63-7	100%	100 ppm (TWA)

PHYSICAL AND CHEMICAL DATA

Boiling Point: 146°C
Melting Point: <100°C
Specific Gravity: 0.8758 @ 20/20°C (for 100% amyl acetate)
Vapor Pressure: 4 mm Hg @ 20°C
Vapor Density: 4.5 (air = 1)
Evaporation Rate: 0.42 (butyl acetate = 1)
Solubility: 0.2% in water @ 20°C
Appearance and Odor: Clear, colorless liquid. Characteristic fruity odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 16°C
Explosive Limits: Lower = 1.1%; Upper = 7.5% (by volume)
Autoignition Temperature: 360°C
Extinguishing Media: Dry chemical, foam or carbon dioxide
Special Fire Fighting Procedures: Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
Unusual Fire and Explosion Hazards: Vapors may travel considerable distance to ignition source and flash back.

HEALTH HAZARD DATA

Primary Routes of Entry: Inhalation, ingestion, skin
Inhalation: Irritating to the respiratory tract. May cause narcosis, headache, fatigue, oppression of the chest, cough, nausea, dizziness, CNS depression, and edema of the glottis.
Ingestion: Symptoms may parallel inhalation.
Skin: May cause irritation, redness and pain. Liquid delipidates skin.
Eye: Vapors may cause burning sensations. Contact may cause irritation, redness and pain.

EMERGENCY AND FIRST AID

Inhalation: Remove patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Ingestion: Give water to drink. Induce vomiting if medical help is not immediately available. Obtain medical attention immediately.
Skin: remove contaminated clothing. Wash skin with plenty water for at least 15 minutes. If irritation develops, obtain medical attention.
Eye: Wash eyes with plenty water for at least 15 minutes. Obtain medical attention immediately.

REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur
Conditions to Avoid: Flame, heat, sparks
Incompatibility: Strong alkalis, acids and oxidizing agents.
Hazardous Decomposition Products: Oxides of carbon

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill: Shut off all sources of ignition. Evacuate area. Wear self-contained breathing apparatus, rubber gloves, protective clothing. Absorb on sand or vermiculite and place in closed containers for disposal.

Disposal: Ensure compliance with local, state and federal agencies.

Storage: Store in a cool, dry, well-ventilated location, away from any area where the fire hazard may be acute. Separate from oxidizing materials.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory: Full face piece chemical cartridge respirator may be worn.

Gloves: Rubber or neoprene

Eye: chemical safety goggles and/or full face shield.

Ventilation: Local and/or general exhaust.

SECTION 313 SUPPLIER NOTIFICATION

This product is subject to the reporting requirements of Section 313 of SARA Title III.

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